



State of Utah  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF AIR QUALITY

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Reply to: State of Utah  
Division of Air Quality  
Department of Environmental Quality  
Salt Lake City, Utah 84114-4820

DAQE-0824-92

September 4, 1992

John W. Schumann  
City of Los Angeles  
Department of Water and Power  
P. O. Box 111  
Los Angeles, CA 90051-0100

Re: Approval Order for Vacuum Cleaning System  
Millard County CDS A1 ATT PSD NSPS

Dear Mr. Schumann:

The above-referenced project has been evaluated and found to be consistent with the requirements of the Utah Air Conservation Rules (UACR) and the Utah Air Conservation Act. A 30-day public comment period was held and all comments received were evaluated. The conditions of this Approval Order (AO) reflect any changes to the proposed conditions which resulted from the evaluation of the comments received. This air quality AO authorizes the project with the following conditions and failure to comply with any of the conditions may constitute a violation of this order:

1. Intermountain Power Project, with offices located at P. O. Box 111, Room 1129 Los Angeles, California, and facilities located in Millard County (UTM 4375000m N, 365000m E), shall install and operate the Vacuum Cleaning System according to the information submitted in the Notice of Intent dated December 10, 1991 and additional information submitted to the Executive Secretary dated February 4, 1992 and March 23, 1992.

A copy of this AO shall be posted on site and shall be available to the employees who operate the air emission producing equipment. All employees who operate the air emission producing equipment shall receive instruction as to their responsibilities in operating the equipment in compliance with all of the relevant conditions.

2. The Vacuum Cleaning System shall be in the following buildings:
  - A. General Services Building
  - B. Generation Buildings Units 1 & 2
  - C. Fabric Filter Buildings Units 1 & 2

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The Vacuum Cleaning System shall consist of the following components:

- A. One (1) Primary Separator with 3 cubic yards of storage capacity
  - B. Two (2) Primary Separators with 1.5 cubic yards of storage capacity
  - C. One (1) 10 cubic yard Storage Hopper
  - D. Two (2) Secondary Separators equipped with:
    - 1) Continuously cleaning Cylindrical filter bags with A/C ratio 3:1 - The A/C ratio shall be verified at the time of a stack test. EPA Method 2 shall be used for measuring the flow rate.
    - 2) Two (2) Storage Hoppers
    - 3) Resuction Unit to pull fugitives back through the primary separator
    - 4) Hopper level indicator to initiate operation of the resuction unit
3.  $PM_{10}$  emissions to the atmosphere from the indicated emission points shall not exceed the following:
- A. 0.5 lb/hour
  - B. 0.016 grain/dscf (68°F, 29.92 in Hg)
4. Stack testing to show compliance with the emission limitations of condition #3 shall be performed if directed. Testing for  $PM_{10}$  shall be performed as described below:

#### Notification

The applicant shall provide a notification of the test date at least 45 days prior to the test. A pretest conference shall be held if directed by the Executive Secretary. It shall be held at least 30 days prior to the test between the owner/operator, the tester, and the Executive Secretary. The emission point shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) or Mine Safety and Health Administration (MSHA) approvable access shall be provided to the test location.

#### $PM_{10}$

For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201 or 201a. The back half condensibles shall also be tested using Method 202.

For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method

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5, 5a, 5d, or 5e as appropriate. The back half condensibles shall also be tested using the method specified by the Executive Secretary. All particulate captured shall be considered  $PM_{10}$ .

The back half condensibles shall not be used for compliance demonstration but shall be used for inventory purposes.

#### Sample Location

40 CFR 60, Appendix A, Method 1

#### Volumetric flow rate

40 CFR 60, Appendix A, Method 2

#### Calculations

To determine mass emission rates (lbs/hr, etc.), the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.

#### Source Operation

For a new source/emission point, the operation throughput and exhaust flow rate during all compliance testing shall be no less than 90% of the operational rate.

5. Visible emissions from the Vacuum Cleaning System shall not exceed 10% opacity as determined by BACT. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9.
6. All records referenced in this AO or in an applicable NSPS or NESHAPS, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or his representative upon request.
7. All installations and facilities authorized by this AO shall be adequately and properly maintained. The owner/operator shall comply with R307-1-3.5 and 4.7, UAC. R307-1-3.5, UAC addresses emission inventory reporting requirements. R307-1-4.7, UAC addresses unavoidable breakdown reporting requirements. The owner/operator shall calculate/estimate the excess emissions whenever a breakdown occurs. The sum total of excess and normal emissions shall be reported to the Executive Secretary for each calendar year as directed by the Executive Secretary.

Any future modifications to the equipment approved by this order must also be approved in accordance with R307-1-3.1.1, UAC.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including the Utah Air Conservation Rules.

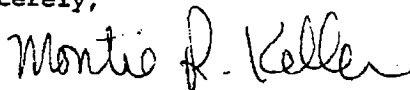
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Annual emissions for this modification are currently calculated at the following values:

A.	Particulate	0.53 ton/yr
B.	PM <sub>10</sub>	0.43

These calculations are for the purposes of determining the applicability of PSD and nonattainment area major source requirements of the UACR. They are not to be used for purposes of determining compliance.

Sincerely,

  
F. Burnell Cordner, Executive Secretary  
for Utah Air Quality Board

FBC:JR:cl

cc: EPA Region VIII, Mike Owens  
Central Utah Distric Health Department